

WHAT IS CLAIMED IS:

1. A device for measuring a pedal-pushing force applied to a pedal of a vehicle, comprising:

5 a robot having a robotic arm that moves according to a moving track of said pedal while the posture of said robotic arm is controlled; and

a load cell attached to the end of said robotic arm for detecting a pedal-pushing force applied to said pedal.

10 2. The device as defined in claim 1, further comprising a roller fixed to the end of said load cell for minimizing frictional force generated at the measured surface of said pedal.

3. The device as defined in claim 1, further comprising:

a connection bracket fixed to said pedal;

15 a rod having one end fixed to said load cell and the other end inserted into said connection bracket; and

a pin for connecting said connection bracket and said rod such that said rod is rotated relative to said connection bracket, whereby a reverse load generated at said pedal is measured.

20 4. The device as defined in claim 3, wherein said rod is provided at the end thereof having said pin inserted therethrough with a bearing so that said rod can be smoothly rotated about said connection bracket.